Monitoring Air Quality in Deer Park, Houston — Why It Matters

Nestled in the industrial belt of the Greater Houston area, Deer Park faces unique air quality challenges. With proximal petrochemical plants and refineries, its residents are frequently exposed to varying pollutants—undermining public health and environmental justice.

The Houston–Deer Park (2) AQI Dashboard offers real-time air quality monitoring, reporting a Good AQI of 47 (as of June 1, 2025), with $PM_{2.5}$ at 8 µg/m³ and PM_{10} at 20 µg/m³—well within WHO safety thresholds aqicn.org+1texastribune.org+1aqi.in+5iqair.com+5iqair.com+5aqi.in+5aqi.in+5aqi.in+5. Additionally, nitrogen dioxide (NO_2) is recorded at just 2 ppb—about 6.6× below the WHO guideline—indicating generally clean air at the time aqi.in+1aqi.in+1.

Despite these snapshots of cleaner air, broader trends reveal underlying concerns. According to a recent Axios/Houston Chronicle report, Harris County—with Deer Park at its core—ranks among the worst U.S. metro areas for ozone exposure, with 49 ozone action days in 2024, and persistent industrial emissions affecting vulnerable communities iqair.com+2houstonchronicle.com+2axios.com+2.

What You Should Know

- **Air Quality Today: The real-time AQI dashboard reflects healthy conditions, making it safe for outdoor activities unless conditions deteriorate.**
- **Monthly & Yearly Trends: Elevated ozone and fine particulate days are more common in summer, posing risks to children, older adults, and those with respiratory issues.**
- **Health Tips: On high-pollution days, reduce outdoor exposure, consider air purifiers, and follow local air-quality advisories.**